Ferraiolo Corporation
361 Main Avenue
Farmingdale, Me. 04841

1.0 STORM WATER POLLUTION PREVENTION PLAN (SWPPP) OVERVIEW

This Storm Water Pollution Prevention Plan:

- ☒ identifies the SWPPP coordinator with a description of the coordinator's duties;
- ☒ identifies members of the SWPPP team and lists their responsibilities;
- ☒ describes the facility, with information on location and activities, a site map, and a description of the storm water drainage system;
- ☒ identifies potential storm water contaminants;
- ☒ describes storm water management controls and various Best Management Practices (BMP's) needed to reduce pollutants in storm water discharges;
- ☒ describes the facility's monitoring plant; and,
- ☒ describes the implementation schedule and provisions for amendment of the plan

2.0 PLANNING AND ORGANIZATION

2.1 SWPP Coordinator and Team

This is the member roster and list of responsibilities for the pollution prevention team. The team is responsible for implementing the Storm Water Pollution Prevention Plan.

Leaders: Reuben Bartlett, General Manager — Office phone: 207-582-6162
Tim Willett, General Superintendent

Responsibilities:
Coordinate all stages of plan development, inspections and implementation; coordinate employee training programs; keep all records and ensure that reports are submitted; oversee sampling program.

Member: Jim Coston, Plant Operator-Hot Top — Office phone: 207-582-6356
Steve Allen, Batchman

Responsibilities:
Implement the preventive maintenance program; oversee good housekeeping activities; serves as spill response coordinator.

Member: Dan Myshrall, Weightmaster — Office phone: 207-582-6356

Responsibilities:
Conduct/assist with inspections and training program; conduct sampling program.

2.2 Tables {112.7(a)(3)(I & iii) & 112.7 (b)}

ABOVEGROUND STORAGE TANKS

TANK NO	CAPACITY (gallons)	PRODUCT	HI-LEVEL	ESTIMATED SPILL	CONTAINMENT & SPILL
1	20,000	50-50 Gas/Diesel	Yes	Southerly, - 3 feet/sec No rate unless breached	Concrete Dike Enclosure
2	8,000	Liquid Asphalt	Yes	Southerly, - 3 feet/sec No rate unless breached	Concrete Dike Enclosure
3	8,000	Liquid Asphalt	Yes	Southerly, - 3 feet/sec No rate unless breached	Concrete Dike Enclosure

LOADING/UNLOADING RACKS

LOCATION or NAME	PRODUCT	ISSUE or RECEIVE	NEAREST DRAIN or LOW POINT	ESTIMATED SPILL DIRECTION AND RATE	CONTAINMENT & SPILL CONTROL FEATURE
N/A	N/A	N/A	N/A	N/A	N/A

TANK TRUCK PARKING & PORTABLE TANK STORAGE

LOCATION	TRUCK or TANK TYPE & PRODUCT	MAX COMPARTMENT SIZE (gallons)	ESTIMATED SPILL DIRECTION AND RATE (locate nearest drain)	CONTAINMENT & SPILL CONTROL FEATURES
N/A	N/A	N/A	N/A	N/A

DRUM STORAGE

BLDG or LOCATION	# OF DRUMS	PRODUCT & gal./drum	NEAREST DRAIN	ESTIMATED SPILL DIRECTION AND RATE	CONTAINMENT & SPILL CONTROL FEATURES
Bldg. 1	Varies	Lubricant	~250' to	Southerly, ~3feet/sec	Secondary containment pallet
	6 typ	55 gal/drum	drainage way		Authorized personnel only access

UNDERGROUND STORAGE TANKS

TANK NO.	CAPACITY (gallons)	PRODUCT	TANK MONITOR	ESTIMATED SPILL DIRECTION AND RATE	CONTAINMENT & SPILL CONTROL FEATURES
N/A	N/A	N/A	N/A	N/A	N/A

MOTOR FUEL DISPENSERS

DISP#	# OF HOSES	PRODUCT	NEAREST DRAIN	ESTIMATED SPILL DIRECTION AND RATE	CONTAINMENT & SPILL CONTROL FEATURES
1	1	Diesel	300' to drainage way	Southerly, ~ feet/sec	Overhead lines, Spill Kit,
					Authorized personnel only access

3.0 ASSESSMENT

3.1 General Description:

Ferraiolo Corporation (Farmingdale site) is located at 361 Main Avenue Farmingdale, Me. The site map (Attachment I) shows the location of the facility. The facility covers has four buildings - a concrete redi-mix plant, a four bay garage, a two bay storage for salt and salt/sand and a hot top plant. Currently there are eight concrete trucks, fifteen dump trucks, two loaders, one excavator, & three pickups/service trucks at this site. There is also a fueling station at this location. Vehicles and equipment are washed either indoors or in an area that drains into the pond on site. Wash water is recycled in a concrete pond.

3.2 Attachment I - site map

3.3 Significant Material Inventory
Material used by this facility and activities that are exposed to storm water runoff are listed in Attachment II.

3.4 Vehicle wash water and wastewater
Vehicle washing takes place outdoors in a designated area. Wash water runs off as sheet flow to an onsite pond. Ponds are dredged as needed and water is reused to wash aggregates and/or mixers. We do not steam clean on site.

3.5 Our salt and sand/salt are contained in a concrete building with no drains

3.6 a. All Chemicals used in the manufacturering of concrete are to be inclosed in a 40' trailer and set ina a concrete enclosure.

b. The 250 gallon tank of #2 fuel is enclosed in a concrete dyke.

3.7 There have been no significant spills or chronic leaks that have occurred at the facility in the past three years.

3.8 Testing and evaluation of non-storm water discharges.

3.9 All allowable non-storm water discharge are identified on the site map

3.10 Ferraiolo Construction has no historical monitoring data at this time.

3.11 The following areas are potential sources of contaminations:
Vehicle washing - Residue on the ground from washing vehicles may contaminate storm water.

Equipment washing - Residue on the ground from equipment washing could contaminate storm water.

3.12 History description of changes to comply with MSGP (enclosed)

Corrective action taken by Ferraiolo Corp.

The three vertical storage tanks have been abandoned. Removal is scheduled for Sept. 15, 2003. and will be performed by McGee Construction Co.

The verticals have been replaced with a new 20,000 gallon split diesel/#2. The tank is surrounded by a cast-in-place concrete dike, which also houses the fuel dispenser. The 3" fuel pump is no longer required as all deliveries are gravity fed to the new 20,000-gallon tank.

Attached to the fuel oil dike, an additional cast-in-place concrete dike with slab continues around the two horizontal asphalt tanks. Any leaks or spills will be contained immediately. Additionally, the shallow earthen dike has been removed and re-graded.

All underground piping associated with the vertical tanks were removed on April 17, 2003. Temporary lines were installed overhead until the new 20,000 gallon tank arrived and was installed and put into service on July 31, 2003.

Any oil-contaminated water will be disposed of by November 1, 2003 with copies of disposal invoices forwarded to the Department upon completion.

Coffin Engineering will have SPCC plan competed by September 15, 2003.

Total itemized expenditures for environmental improvements (copies attached) in the sum of $176,640.00.

McGee Construction Tank/Dike installation	$78,840.00
McGee Construction Tank removal.	$13,600.00
Coffin Engineering SPCC estimate	$2,000.00
Clean Harbors Water Disposal estimate	$5,000.00
Ferraiolo Corp. Line removal OCS in/around line and asphalt tanks	$10,000.00
Ferraiolo Corp. Excavate OCS at vertical tanks estimated	$10,000.00
Ferraiolo Corp. Crane for tank removal	$2,000.00
Ferraiolo Corp. Catch basin to separate water/sand (spring '04)	$6,000.00
Ferraiolo Corp. Pipe ditch line to control erosion (spring '04)	$15,000.00
Ferraiolo Corp. Misc. pavement for dust control	$10,000.00
Install 2 catch basins and drain fields	$6,000.00
Relocate truck wash station	$5,000.00
Concrete enclosure for chemicals	$4,500.00
Retaining wall at stock piles/silt fence	$2,500.00
Paving additional areas	$5,000.00
Curbing installed	$1,200.00

4.0 IMPLEMENTATION

4.1 Good Housekeeping

The following is a list of good housekeeping practices followed at this facility.

- ⇨ Washing of equipment and/or vehicles is done in designated areas that allow complete drainage to occur into holding pond. The water from the pond is recycled by either the washing plant on site or used in the concrete truck's holding tanks. Pond is dredged as needed and we do not allow spillover.
- ⇨ All fluid products and waste are kept indoors.
- ⇨ Waste oil stored in drums outside are kept sealed except when filling.
- ⇨ All changing of fluids is done in the maintenance garage.
- ⇨ Spigots and funnels are used to minimize drips and/or leaks.
- ⇨ Drip pans are used when changing fluids.
- ⇨ All above ground tanks have secondary containment.
- ⇨ Spills are immediately cleaned up with an absorbent - (see spill prevention in response procedures in section 4.7)

4.2 Preventive Maintenance

The following is a list of preventive maintenance procedures practiced at this facility:

- ⇨ All Staff are aware of spill prevention and response procedures
- ⇨ Spill response equipment is located at all potential spill areas.
- ⇨ All transfers to and from the tank are observed by qualified personnel trained in spill response procedures
- ⇨ Catch basins and sediment chambers are checked and cleaned as needed.
- ⇨ Drainage swales are kept clean.
- ⇨ Settling basins are cleaned out as necessary
- ⇨ Hydraulic equipment is kept in good repair to prevent leaks.
- ⇨ Outdoor drum and storage tank containment areas are checked for leaks.
- ⇨ Uncontaminated storm water in containment areas is kept to a minimum.

The following is a list of preventive maintenance measures that will be implemented within 30 days.

- ⇨ This facility has a written spill prevention and response policy
- ⇨ We will begin regular inspections of the fueling area for signs of spills or leaks and proper labeling. Hoses and fittings will also be regularly inspected.

- ⇨ Begin regular inspections of above ground storage tanks for signs of corrosion or leaks.
- ⇨ All materials, waste storage areas, drains, tanks and cans will be properly
- ⇨ labeled.

4.3

Best Management Practices (BMP's)

The following is a list of existing and planned Best Management Practices. When implemented, the BMP's will prevent or reduce the discharge of potential pollutants in storm water runoff:

Loading and unloading areas.
To prevent or reduce the potential of storm water contamination in the loading and unloading areas, the following BMP's will be implemented:

- ⇨ Loading and unloading are done inside where possible.
- ⇨ Hazardous materials that are in easily ripped or breakable containers (such as bags, plastic pails) are not loaded or unloaded outside when it rains.
- ⇨ A staff member is present during loading and unloading operations.
- ⇨ Emergency spill kits are placed in the loading/unloading areas.
- ⇨ Diesel fuel tank. This above ground tank has secondary containment capable of holding the entire contents of the tank.
- ⇨ Scrap metal. All scrap metal is cleaned of hazardous materials prior to storage on the scrap metal pile. Salvage vehicles have fluids removed prior to storage.
- ⇨ Dumpster lid is closed except when in use.

4.4

Sediment and Erosion Control

Below is a list of potential erosion areas and measures to prevent erosion:

- ⇨ Potential source of erosion: Slopes of access road and perimeter of the site.
- ⇨ Management practices to prevent erosion: Seed unvegatated areas and stabilize sloped areas.
- ⇨ Potential source of erosion: Most of the yard is sand and gravel.
- ⇨ Management practices to prevent erosion: Have rip-rap and sediment trap at storm water discharge points.

4.5

Management of Storm Water runoff

The following management practices for runoff are used at this facility:

- ⇨ Runoff from the site goes to detention or retention ponds or catch basins with discharge pipes into existing gravel or sand areas.

- ⇨ Impervious areas have no curbs in order to encourage sheet flow runoff to vegatative areas.

4.6

Spill Prevention and Response

- ⇨ Spill response equipment is located at the maintenance garage, at fueling stations and concrete batch plant and includes absorbent pads and speedi-dri.
- ⇨ The pollution prevention team leader or the spill coordinator will be advised immediately of all spills of hazardous materials or regulated materials, regardless of quantity.
- ⇨ Spills will be evaluated to determine the necessary response. If there is a health hazard, fire or explosion potential, 911 will be called. If a spill is large or threatens surface waters, including storm drains, state or federal emergency response agencies will be called.
- ⇨ Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit. Additional dikes will be constructed to protect swales or other storm water conveyances of streams. A cover or dike will protect any other storm water structures such as catch basins.

4.7

Employee Training

The topics below will be covered at employee training sessions. All employees will be trained annually.

- ⇨ Spills and leak prevention - Erosion control - Truck and Equipment washing - Loading/unloading drums, cargo, etc. - Mixing/Loading of salt and sand and any other topics which may be pertinent..

Pollution prevention team members will meet at least twice a year to discuss the effectiveness of and improvements to the Plan.

5.0 EVALUATION

5.1 Quarterly Visual Monitoring:

- ⇨ Every quarter we will visually inspect the storm water outfalls at our facility. The visual examination will be made during daylight hours. We will document observed contamination/problems with date and time, determine the source of contamination and take action to eliminate it.

5.2 Annual site Inspections:

Comprehensive Site Compliance Evaluation

- ⇨ We will inspect our entire facility at least once a year for evidence of pollution, evaluate BMP's that have been implemented, and inspect equipment. The site inspection report will include date of inspection, name or personnel conducting the inspection, observations, assessment of BMP's, corrective actions taken, and a signed certification.

5.3 Recordkeeping and Reporting

Records described in the SWPPP will be retained on site for 5 years from the date of the cover letter that notifies this facility of coverage under the storm water permit. These records will be made available to state or federal inspectors upon request. Additionally, employee training records shall also be maintained.

5.4 Plan Revisions

If this facility expands its operations, or changes any significant material handling or storage practices which could impact storm water, this SWPPP will be amended. The amended Plan will describe the new activities that contribute to increased pollution and planned control measures.

This plan will also be amended if a state or federal inspector determines that it is not effective in controlling storm water pollutants discharged to waterways.

6.0 CERTIFICATIONS

This page includes certifications for our Non-Storm Water Discharges and our Storm Water Pollution Prevention Plan.

Non-Storm Water Discharges: All storm water outfalls to surface waters at this facility have been evaluated and found to be free of non-storm water discharges.

Storm Water Pollution Prevention Plan: This Storm Water Pollution Prevention Plan has been prepared in accordance with good engineering practices. Qualified personnel properly gathered and evaluated information submitted for this Plan. The information in this Plan, to the best of my knowledge, is accurate and complete.

_____
Name

_____
Title

_____
Date

ATTACHMENT 3

List of significant spills (in excess of 5 gallons) and chronic Leaks

DATE	SPILL OR LEAK	SOURCE	DESCRIPTION			RESPONSE PROCEDURES	MEASURES TAKEN TO PREVENT RECCURRENCE
			Type of Material	Quantity	Reason		
	Leak	Salt/Sandpile	Salt/Sand	N/A		None	Concrete storage building
	Spill/Leak	Various equip and trucks	oil and hydraulic	n/a	leaks	Contaminated soil to be processed thru the hot top plant Absorbent pads used to clean up spill	Increased preventive maint to help find and repair potential problems

ATTACHMENT IIA - SITE SUMMARY

ACTIVITIES WITH A HIGH RISK OF CONTAMINATING STORM WATER

ACTIVITY	POLLUTANTS	CURRENT PRACTICES	FUTURE PRACTICES
Salt/Sand storage	salt and sand	In storage building	Same

ATTACHMENT II - SWPPP MATERIAL INVENTORY (cont)

MATERIAL	ACTIVITY/ USE	QUANTITY STORED ABOVE/BELOW GROUND	POLLUTANT	LIKELIHOOD OF CONTACT W/ STORM WATER	COMMENTS
Equipment	washing		grease,oils and/or detergents	medium	Wash out water goes into a holding pond. Pond water is reused for washer plant
Vehicles	washing		engine oil, hydraulic fluids	medium	and washing out cement trucks. Ponds dredged as needed and not allowed to overflow
Equipment	storage		grease, oils, detergents	low	Any leaks are contained with absorbant pads and/ or taken to the Asphalt
Vehicles	storage		sand, salt and detergents	low	Plant for reclamation.
Waste Oils	Repair as needed		oils	medium	Oil is recycled in burner for heat in garage. Drum stored in garage.
Used Tires	Repair as needed			low	Tires stored in garage awaiting pickup or disposal twice/week
Salt storage pile	Ice control		salt	high	Stock of salt will be covered with tarps when not in use.
Dumpster	solid waste disposal	5 yards		low	Will be covered when not in use

ATTACHMENT II - SWPPP MATERIAL INVENTORY

MATERIAL	ACTIVITY/ USE	QUANTITY STORED ABOVE/BELOW GROUND	POLLUTANT	LIKELIHOOD OF CONTACT W/ STORM WATER	COMMENTS
Diesel Fuel	Vehicle Fueling	10,000 gallons/ above ground	fuel	low	enclosed in concrete holding tank -
Motor Oil and Hydraulic fluid	Maintenance	approx 275 gallons each/ above ground	oil hydraulic fluid	low	In maintenance shop - in holding tanks
Heating Oil	Heating	275 gallon tank in garage 550 gallon tank in batchplant both above ground	oil	low	Stored in garage Stored in Batchplant
Conc Chemicals air, Retardant, water-reducer Accelerator	Concrete Production	500 gallons each - container above ground	chemicals	low	40' Contained trailer in a concrete dyke enclosure
Solvents Soap & Acids	Cleaning vehicles/equip	55 gallon drums above ground	soap/acids	low	Stored in garage and Batchplant
Used Batteries	Maintenance		acid	low	Removed by Battery Salesman weekly from storage inside garage